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FY 2003 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: FEBRUARY 2002

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603790N

PROJECT NUMBER: R2293

PROGRAM ELEMENT TITLE: NATO Research and Development

PROJECT TITLE: NATO Cooperative R&D

(U) COST: (Dollars in Thousands)

PROJECT NUMBER & TITLE	FY 2001 ACTUAL	FY 2002 ESTIMATE	FY 2003 ESTIMATE	FY 2004 ESTIMATE	FY 2005 ESTIMATE	FY 2006 ESTIMATE	FY 2007 ESTIMATE	TO COMPLETE	TOTAL PROGRAM
R2293	NATO Cooperative Research and Development (R&D)								
	8,620	11,449	11,581	11,804	12,276	12,512	12,760	CONT.	CONT.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: In accordance with Title 10 U.S. Code Section 2350a, this project provides funding for research and development projects with approved allies under international agreements. These funds can only be applied to work efforts in the U.S., and the Under Secretary of Defense, Acquisition and Technology (USD,A&T) must approve each international agreement. The program provides funds for multiple projects under separately approved international agreements as well as funds that support the establishment of such agreements. Each international agreement is summarized in a separate Summary Statement of Intent (SSOI) which also states why the project serves to increase the conventional defense capabilities of the U.S.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under DEMONSTRATION & VALIDATION because it develops and integrates hardware for experimental tests related to specific ship or aircraft applications.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2001 ACCOMPLISHMENTS:

- (U) (\$3,398) Supported work on the Vector Project between the U.S. and Germany.
- (U) (\$ 204) Supported Fiber Optic Bottom Mounted Acoustic Array between the U.S. and United Kingdom.
- (U) (\$ 374) Supported efforts on the Multilateral Memorandum of Understanding (MOU) for Interoperable Network for Secure Communications.
- (U) (\$ 566) Supported efforts on the Multilateral MOU for Standard Missile Family.
- (U) (\$ 622) Supported work on the Multilateral Torpedo Tripwire Defense System.

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Budget Item Justification
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- (U) (\$1,020) Supported work on the Unmanned Undersea Vehicle (UUV) for Mine Countermeasure Project with the United Kingdom.
- (U) (\$ 114) Supported Improved Submarine Launched Mobile Mine with Australia.
- (U) (\$ 453) Supported the Software Radio Project with Japan.
- (U) (\$ 339) Supported on-going work related to the Cooperative R&D Project between the U.S. and the United Kingdom for Trimaran Hull.
- (U) (\$ 397) Supported the Harpoon Enhancement Evaluation with Israel.
- (U) (\$1,133) Supported the Multilateral LW-155MM Howitzer Program.

2. (U) FY 2002 PLAN:

- (U)(\$11,449) Provide support for the identification and development of MOUs with one or more approved major allies for the purpose of conducting cooperative research and development projects on defense equipment and munitions. These international agreements (MOUs) are approved by USD,A&T and are summarized in separate SSOIs. International agreements in areas such as military communications, software development, modeling, weapons development, and ship systems are some of the projects under consideration.

3. (U) FY 2003 PLAN:

- (U)(\$11,581) Provide support for the identification and development of MOUs with one or more approved major allies for the purpose of conducting cooperative research and development projects on defense equipment and munitions. These international agreements (MOUs) are approved by USD,A&T and are summarized in separate SSOIs.

B. (U) PROGRAM CHANGE SUMMARY:

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	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
(U) FY 2002 President's Budget:	8,909	11,551	
(U) Adjustments from PRESBUDG:			
(U) SBIR Adjustment	-112		
(U) 2001 Execution Adjustments	-177		
(U) Section 8123 - Management Reform Initiative Reduction		-102	
(U) FY 2003 President's Budget Submission:	8,620	11,449	11,581

(U) CHANGE SUMMARY EXPLANATION:

(U) Schedule: Not applicable.

(U) Technical: Not applicable.

C. (U) OTHER PROGRAM FUNDING SUMMARY: Not applicable.

(U) RELATED RDT&E:

(U) PE 0605853N (Management, Technical and International Support)

(U) PE 0605130D (Foreign Comparative Testing)

D. (U) SCHEDULE PROFILE: Not applicable.

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Budget Item Justification
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FY 2003 RDT&E,N PROGRAM ELEMENT/PROJECT COST BREAKDOWN

DATE: FEBRUARY 2002

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603790N

PROJECT NUMBER: R2293

PROGRAM ELEMENT TITLE: NATO Research and Development

PROJECT TITLE: NATO Cooperative R&D

A. (U) PROJECT COST BREAKDOWN: (\$ in thousands)

Project Cost Categories	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
a. Cooperative Research and Development	8,620	11,449	11,581

B. (U) BUDGET ACQUISITION HISTORY AND PLANNING INFORMATION:

PERFORMING ORGANIZATIONS

Contractor/ Government Performing <u>Activity</u>	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	<u>FY 2001</u> <u>Budget</u>	<u>FY 2002</u> <u>Budget</u>	<u>FY 2003</u> <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
Product Development									
NAVSEA	PD				600	3,300	2,500	CONT.	CONT.
NSWC-CD	WX				0	700	900	CONT.	CONT.
NUWC	WX				900	450	450	CONT.	CONT.
Miscellaneous					3,190	5,299	6,231	CONT.	CONT.
NAVAIR	PD				3,000	-	-	-	-

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RDT&E PE/Project Cost Breakdown
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Contractor/ Government Performing <u>Activity</u> Support and Management	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2001 <u>Budget</u>	FY 2002 <u>Budget</u>	FY 2003 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>
NRL	WX				530	-	-	-	-
SPAWAR	PD				400	1,700	1,500	-	-

Contractor/ Government Performing <u>Activity</u> Test and Evaluation	Contract Method/ Fund Type <u>Vehicle</u>	Award/ Oblig <u>Date</u>	Perform Activity <u>EAC</u>	Project Office <u>EAC</u>	FY 2001 <u>Budget</u>	FY 2002 <u>Budget</u>	FY 2003 <u>Budget</u>	To <u>Complete</u>	Total <u>Program</u>

GOVERNMENT FURNISHED PROPERTY: Not applicable.

FY 2001 FY 2002 FY 2003 To Total

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RDT&E PE/Project Cost Breakdown
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	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	7,690	9,749	10,081	CONT.	CONT.
Subtotal Support and Management	930	1,700	1,500	CONT.	CONT.
Subtotal Test and Evaluation	0	0	0	0	0
Total Project	8,620	11,449	11,581	CONT.	CONT.

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RDT&E PE/Project Cost Breakdown
(Exhibit R-3, page 6 of 6)

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